Title (en)

PIGMENT PARTICLE AND ELECTROPHORETIC DISPLAY UNIT APPLIED TO ELECTROPHORETIC DISPLAY

Title (de)

PIGMENTTEILCHEN UND ELEKTROPHORETISCHE ANZEIGEEINHEIT ZUR ANWENDUNG AUF EINE ELEKTROPHORETISCHE ANZEIGE

Title (fr)

PARTICULE DE PIGMENT ET UNITÉ D'AFFICHAGE ÉLECTROPHORÉTIQUE APPLIQUÉE À UN AFFICHAGE ÉLECTROPHORÉTIQUE

Publication

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Application

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Priority

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Abstract (en)

The invention provides pigment particles and an organic modification layer formed on a surface of the pigment particles; the organic modification layer is a surfactant layer or a polymer material layer formed on the surface of the pigment particles; an organic matter content W_{surf}of the specific surface area of the pigment particles is in a range of 0.1-2% g/m². The pigment particles provided by the invention have good stability, and the electrophoretic display prepared by using the pigment particles of the invention has good optical performance.

IPC 8 full level

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